



APPENDIX A: MYPP Drivers

Numerous legislative, Administration, and Department policies and procedures dictate both the need for, and the process and content of Multi-year program planning over and above program manager's planning needs. These include:

- Government Performance and Results Act (GPRA)
 - Linkage of budget request to outputs and outcomes and to the Strategic Plan
- President's Management Agenda and OMB Program Assessment and Rating Tool (PART)
 - Provide program justification
 - Set performance goals
 - Link dollars to planned activities
 - Establish targets/milestones
 - Measure progress and resulting benefits
 - Include decision points and end points
- CFO
 - Report quarterly and annual milestones linked to DOE Strategic Goals
 - Management and Evaluation (ME-20) Program Plans
- Congress (House Rpt.108-554 - Energy and Water Development Appropriations Bill, 2005)
 - Beginning with submission of the fiscal year 2007 budget request...submit to Congress detailed five-year budget plans for all major program offices and a consolidated five-year budget plan for the entire Department.
 - Preparation of these five-year program plans and the comprehensive five-year DOE plan to be a Federal function

A Program may consult with its contractors in developing its five-year plans, but the actual preparation of these plans is not to be contracted out; this work is to be done by Federal employees of the Department of Energy

APPENDIX B: Building Technologies Technical Reports and Resources

Below is a list of the various technical reports and resources developed by the Building Technologies Program, and used to inform decisions associated with this Multi-Year Program Plan.

Case Studies

- The Galloway Family Home
- Prairie Crossing Homes
- Consumer Information
- Energy Savers: Cool Summer Tips (Spanish Version)
- Energy Savers: Hot Winter Tips
- Energy Savers: Tips on Saving Energy & Money at Home
- Energy Savers - Cool Summer Tips
- Energy Savers Virtual Tour
- HeatSmart! Homeowners Can Save Money by Conserving Heating Oil

EnergySmart Schools Brochures

- Designing High Performance Schools
- Energy Design Guidelines for High Performance Schools: Arctic and Subarctic Climates
- Energy Design Guidelines for High Performance Schools: Cold and Humid Climates
- Energy Design Guidelines for High Performance Schools: Cool and Dry Climates
- Energy Design Guidelines for High Performance Schools: Cool and Humid Climates
- Energy Design Guidelines for High Performance Schools: Hot and Dry Climates PDF
- Energy Design Guidelines for High Performance Schools: Hot and Humid Climates
- Energy Design Guidelines for High Performance Schools: Temperate and Humid Climates
- Energy Design Guidelines for High Performance Schools: Temperate and Mixed Climates
- Get Smart about Energy: Program Folder (Revision)
- How Parents and Teachers Are Helping to Create Better Environments for Learning
- How School Administrators and Board Members Are Improving Learning and Saving Money
- How School Facilities Managers and Business Officials Are Reducing Operating Costs and Saving Money
- Myths about Energy in Schools
- National Best Practices Manual for Building High Performance Schools



High Performance Building Brochures

- 4 Times Square
- Adam Joseph Lewis Center for Environmental Studies, Oberlin College
- BigHorn Home Improvement Center
- Cambria Office Building — Pennsylvania Department of Environmental Protection
- Clearview Elementary School
- NREL's Solar Energy Research Facility
- NREL's Thermal Test Facility
- NREL's Visitors Center
- Twenty River Terrace
- Zion National Park Visitor Center

Technical Reports

- Advanced Sensors and Controls for Building Applications: Market Assessment and Potential R&D Pathways
- Better Duct Systems for Home Heating and Cooling
- Causes of Indoor Air Quality Problems
- Characterization of Commercial Building Appliances
- DOE Advanced Controls R&D Planning Workshop, June 11, 2003, Washington, D.C.: Workshop Results
- Electricity Consumption by Small End Uses in Residential Buildings
- Electroluminescent Plywood Desk Brochure
- Energy Conservation Using Scotopically Enhanced Fluorescent Lighting in an Office Environment
- Energy Consumption by Office and Telecommunication Equipment in Commercial Buildings, Volume I: Energy Consumption
- Energy Consumption Characteristics of Commercial Building HVAC Systems: Volume I, Primary Equipment
- Energy Consumption Characteristics of Commercial Building HVAC Systems: Volume II, Thermal Distribution, Auxillary Equipment and Ventilation
- Energy Consumption Characteristics of Commercial Building HVAC Systems: Volume III, Energy Savings Potential
- Energy-Efficient Rehabilitation of Multifamily Buildings in the Midwest
- Energy Savings Potential for Commercial Refrigeration Equipment
- Energy Savings Potential of Solid State Lighting in General Lighting Applications
- Energy Use of Home Audio Products in the U.S.
- Energy Use of Set-Top Boxes and Telephony Products in the U.S.
- Energy Use of Televisions and Videocassette Recorders in the U.S.
- House of Straw - Straw Bale Construction Comes of Age
- HVAC Commercial Heating and Cooling Loads Component Analysis
- HVAC Residential Heating and Cooling Loads Component Analysis
- International Performance Measurement and Verification Protocol: Concepts and Options for Determining Energy and Water Savings, Volume I



- International Performance Measurement and Verification Protocol: Concepts and Practices for Improved Indoor Environmental Quality, Volume II
- Market Disposition of High-Efficiency Water Heating Equipment
- National Lighting Inventory and Energy Consumption Estimate, Volume 1
- Opportunities for Energy Savings in the Residential and Commercial Sectors with High-Efficiency Electric Motors
- The Promise of Solid State Lighting for General Illumination

Technology Fact Sheets

- Advanced Wall Framing
- Air Distribution System Design
- Air Distribution System Installation and Sealing
- Air Sealing
- Attic Access
- Basement Insulation
- Ceilings and Attics
- Central Heat Pump and Air Conditioner Installation
- Combustion Equipment Safety
- Crawlspace Insulation
- Efficient Lighting Strategies
- Energy-Efficient Appliances
- Energy Efficiency Pays
- Heating and Cooling Equipment Selection
- Improving the Efficiency of Your Duct System
- Insulation
- Passive Solar Design
- Right-Size Heating and Cooling Equipment
- Slab Insulation
- Spot Ventilation
- Wall Insulation
- Water Heating
- Weather-Resistive Barriers
- Whole-House Energy Checklist
- Whole House Fan
- Whole House Ventilation Systems
- Window Selection

Technology Roadmaps

- Frontiers in Solid State Lighting
- High Performance Commercial Building Roadmap
- Vision 2020 Lighting Roadmap
- Windows Industry Technology Roadmap
- Building Envelope Industry Technology Roadmap

